

Appln. No. 10/809,256

Amdt date March 24, 2006

Reply to Office action of January 24, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A system for reducing the effects of heave movements of a wellhead in an offshore drilling device comprising:

a frame;

a coiled tubing stack supported by the frame;

a heave compensation system for controlling an amount of load transferred from the coiled tubing stack to the wellhead to reduce relative movements between the coiled tubing stack and the wellhead;

a flexible riser section for connecting the coiled tubing stack to the wellhead in a manner that allows for angular misalignment between the coiled tubing stack and the wellhead; and

a system for monitoring the load on the wellhead and activating the ~~load~~ heave compensation system when predetermined load limits are exceeded.

2. (Original) The system of claim 1 wherein said frame comprises at least two legs.

3. (Previously Presented) The system of claim 1 wherein said frame comprises an upper and a lower section movable relative to each other such that the frame may be compacted thereby decreasing the space require to transport the frame.

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4. (Previously Presented) The system of claim 1, wherein said heave compensation mechanism is positioned in said lower section.

5. (Previously Presented) The system of claim 1, wherein said heave compensation mechanism comprises an accumulator.

6. (Original) The system of claim 5, further comprising a plurality of accumulators.

7. (Previously Presented) The system of claim 1, wherein the flexible riser section is connected to the wellhead above the sea level.

8. (Previously Presented) The system of claim 7, wherein the flexible riser section comprises a flexible pipe.

9. (Currently Amended) The system of claim ~~8~~ 7, wherein the flexible riser section comprises a pressure containing spherical joint.

10. (Original) The system of claim 1, wherein said frame supports the load of a BOP and coiled tubing injector and dynamic weight of coiled tubing.

11. (Previously Presented) The system of claim 8, wherein the flexible riser section comprises a flexible metal pipe that is connected to the wellhead above the sea level.

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12. (Currently Amended) A method of reducing the effects of heave movements of a wellhead in an offshore drilling device comprising:

providing a frame which supports a coiled tubing stack;

positioning the frame proximate to the wellhead;

providing a heave compensation system for controlling an amount of load transferred from the coiled tubing stack to the wellhead to reduce relative movements between the coiled tubing stack and the wellhead;

monitoring the load on the wellhead; and

activating the load heave compensation system when predetermined load limits on the wellhead are exceeded.

13. (Currently Amended) The method of claim ~~14~~ 12, further comprising providing a flexible riser section, which connects the coiled tubing stack to the wellhead in a manner that allows for angular misalignment between the coiled tubing stack and the wellhead.

14. (Previously Presented) A system for reducing the effects of heave movements of a wellhead in an offshore drilling device comprising:

a frame;

a coiled tubing stack supported by the frame; and

a heave compensation system for controlling an amount of load transferred from the coiled tubing stack to the wellhead to reduce relative movements between the coiled tubing stack and the wellhead.